

2. (amended) A purified heparinase III isolated from *Heparinum flavobacterium* free of [other] lyase activity other than heparinase III activity.

Please cancel claim 4.

4 5. (amended) The heparinase III of claim [4] 2 stabilized with albumin.

6. (amended) A method for purifying heparinase I, II, and III from *Heparinum flavobacterium* comprising the steps of lysing *Flavobacterium heparinum* cells in a pure culture of *Flavobacterium heparinum*,

removing cell debris and nucleic acids from the cell lysate,

absorption of heparinase I, II, and III to hydroxyapatite,

absorption of non-heparinase I, II, and III proteins to QAE-resin,

separation of heparinase I, II, and III by HPLC on a hydroxylapatite column,

purification of the separated heparinases by cation exchange FPLC, and

purification of the separated heparinases by gel permeation HPLC.

Please cancel claims 10-17.